

WHAT IS CLAIMED IS:

1. An air intake apparatus of an engine, in particular, of an internal combustion engine, in which a horizontal partitioning wall is provided within a surge tank so as to divide an inner space in the surge tank into first and second chambers, and an intake air introduced into the first chamber is supplied to one group of intake branch pipes and an intake air introduced into the second chamber is supplied to the other group of intake branch pipes,

wherein said surge tank is divided into a middle piece made of resin and formed integrally with the partitioning wall, a lower piece made of resin and arranged on a bottom side of the middle piece, and an upper piece made of resin and arranged on an upper side of the middle piece, and said respective pieces are bonded to each other by means of a method of vibration adhesion so as to form the surge tank,

and wherein a communicating hole for making the first chamber communicate with the second chamber is formed in said partitioning wall provided in said middle piece, a valve body for opening and closing said communicating hole is provided in said communicating hole, and drive means for opening and closing said valve body is provided on the middle piece.

2. An air intake apparatus as set forth in claim 1, wherein said valve body is a plate shape and includes seal members on a peripheral fringe of the

valve body, and seat surfaces with which the seal members of said valve body are brought into contact are formed by said partitioning wall.

3. An air intake apparatus as set forth in claim 1, wherein a rotation shaft of the valve body is provided in the middle piece, said rotation shaft and a drive shaft of said drive means are separately formed, and said drive means is annexed to the middle piece to rotate said drive shaft and said rotation shaft integrally with each other.

4. An air intake apparatus as set forth in claim 2, wherein a rotation shaft of the valve body is provided in the middle piece, said rotation shaft and a drive shaft of said drive means are separately formed, and the drive means is annexed to the middle piece to rotate said drive shaft and said rotation shaft integrally with each other.